

Global Power SiC Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Power SiC market size is expected to reach \$ 12590 million by 2029, rising at a market growth of 28.7% CAGR during the forecast period (2023-2029).

The key players of SiC MOSFET modules are STMicroelectronics, Infineon, Wolfspeed, Rohm, Onsemi, BYD Semiconductor, Microchip (Microsemi), Mitsubishi Electric (Vincotech) and Semikron Danfoss, etc. The top three players hold a share over 70 percent. The key players of SiC MOSFET Discrete are STMicroelectronics, Infineon, Wolfspeed, Rohm, and CETC 55, etc. The top five players hold a share over 80 percent. The key players of SiC SBD are STMicroelectronics, Infineon, Wolfspeed, Rohm, onsemi, Microchip (Microsemi), and San'an Optoelectronics, etc. The top five players hold a share over 70 percent.

This report studies the SiC Based Power Electronics, key segments cover SiC MOSFET, SiC Schottky Barrier Diodes (SBDs), SiC FETs, SiC JFETs etc.

This report studies the global Power SiC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Power SiC, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Power SiC that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Power SiC total production and demand, 2018-2029, (K Units)

Global Power SiC total production value, 2018-2029, (USD Million)

Global Power SiC production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Power SiC consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Power SiC domestic production, consumption, key domestic manufacturers and share

Global Power SiC production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Power SiC production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Power SiC production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Power SiC market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include STMicroelectronics, Infineon, Wolfspeed, Rohm, onsemi, BYD Semiconductor, Microchip (Microsemi), Mitsubishi Electric (Vincotech) and Semikron Danfoss, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Power SiC market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by

year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Power SiC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Power SiC Market, Segmentation by Type

SiC MOSFET Module

SiC MOSFET Discrete

SiC Diode (SiC SBD)

Others (SiC JFETs & FETs)

Global Power SiC Market, Segmentation by Application

Automotive & EV/HEV

EV Charging

Industrial Motor/Drive

PV, Energy Storage, Wind Power

UPS, Data Center & Server

Rail Transport

Others

Companies Profiled:

STMicroelectronics

Infineon

Wolfspeed

Rohm

onsemi

BYD Semiconductor

Microchip (Microsemi)

Mitsubishi Electric (Vincotech)

Semikron Danfoss

Fuji Electric

Navitas (GeneSiC)

Toshiba

Qorvo (UnitedSiC)

San'an Optoelectronics

Littelfuse (IXYS)

CETC 55

WeEn Semiconductors

BASiC Semiconductor

SemiQ

Diodes Incorporated

SanRex

Alpha & Omega Semiconductor

Bosch

GE Aerospace

KEC Corporation

PANJIT Group

Nexperia

Vishay Intertechnology

Zhuzhou CRRC Times Electric

China Resources Microelectronics Limited

StarPower

Yangzhou Yangjie Electronic Technology

Guangdong AccoPower Semiconductor

Changzhou Galaxy Century Microelectronics

Hangzhou Silan Microelectronics

Cissoid

Key Questions Answered

1. How big is the global Power SiC market?
2. What is the demand of the global Power SiC market?
3. What is the year over year growth of the global Power SiC market?
4. What is the production and production value of the global Power SiC market?
5. Who are the key producers in the global Power SiC market?

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